

Application Serial No: 10/637,084  
In reply to Office Action of 25 Feb 2005

Attorney Docket No. 83346

**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims**

1. (Currently amended): A composite material ~~containing~~  
comprising:

a formed molybdenum particulate shape; and

an oxygen free copper matrix infiltrated within said formed  
molybdenum particulate shape.

2. (Currently amended): A composite material according to claim 1, wherein said molybdenum particulate shape is present in an amount of approximately 35 - 65 vol% and the oxygen free copper ~~matrix~~ is present as the balance.

3. (Currently amended): A composite material according to claim 2, further comprising said composite material having an average molybdenum particle diameter of 2.31 microns, a mean free path through the infiltrated copper of 1.99 microns, and a mean center to center molybdenum particle spacing of 4.61 microns.

4.-10. (Cancelled).